

Assay Class: Red to Blue
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2010-10-07\Red_10-7-10.xad

Created: 10/7/2010 4:13:07 PM
 Modified: 10/7/2010 4:41:47 PM

Flow Cytometry Run Summary

Assay: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\cells\Red_to_Blue Series II.xsy

Assay Type: Cellular Version: 2.1

Assay Class: Red to Blue

Comments: Red to Blue
 This assay is for applications that apply a red reference dye and analyze blue fluorescent cells within a red population

Acquisition Mode: Default Samples Run: 6

User Name:

Company

Instrument: Instrument Name: DE72905360 Firmware: C.01.069
 Serial #: DE72905360 Type: G2938C

Chip Comments:

Sample Name	Sample Blue Comment	Blue Staining	Red Staining	Sta tus	Total Event s	% of Gated	Observation
Mock				✓	954	1.7	
Delta5				✓	600	1.3	
Delta3				✓	484	2.1	
Delta5 plus cut delta3				✓	551	3.4	
Delta5 plus uncut delta3				✓	517	3.1	
EGFP				✓	553	39.8	

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Flow Cytometry Assay Details

Data Acquisition Parameters

Number of Available Sample Wells (Max.) : 6
Measurement Mode : Default

Graph Settings

Histogram Settings :

Blue :

Minimum : 0.01
Maximum : 10000
Scale : log

Red :

Minimum : 0.01
Maximum : 10000
Scale : log

Dot Plot Settings :

Blue :

Minimum : 0.01
Maximum : 10000

Red :

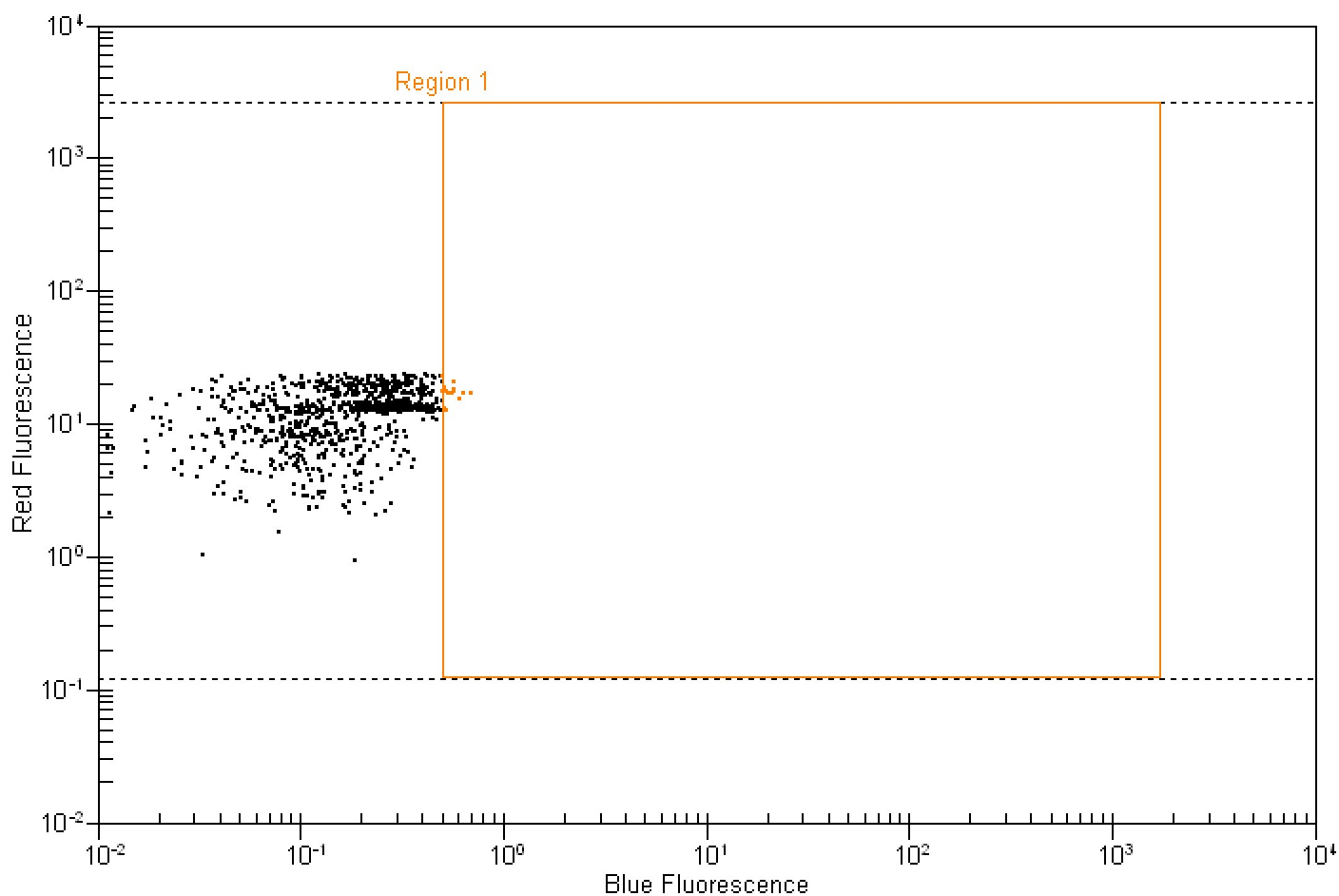
Minimum : 0.01
Maximum : 10000

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Dot Plot Summary

Mock



Dot plot statistics for sample 1 :

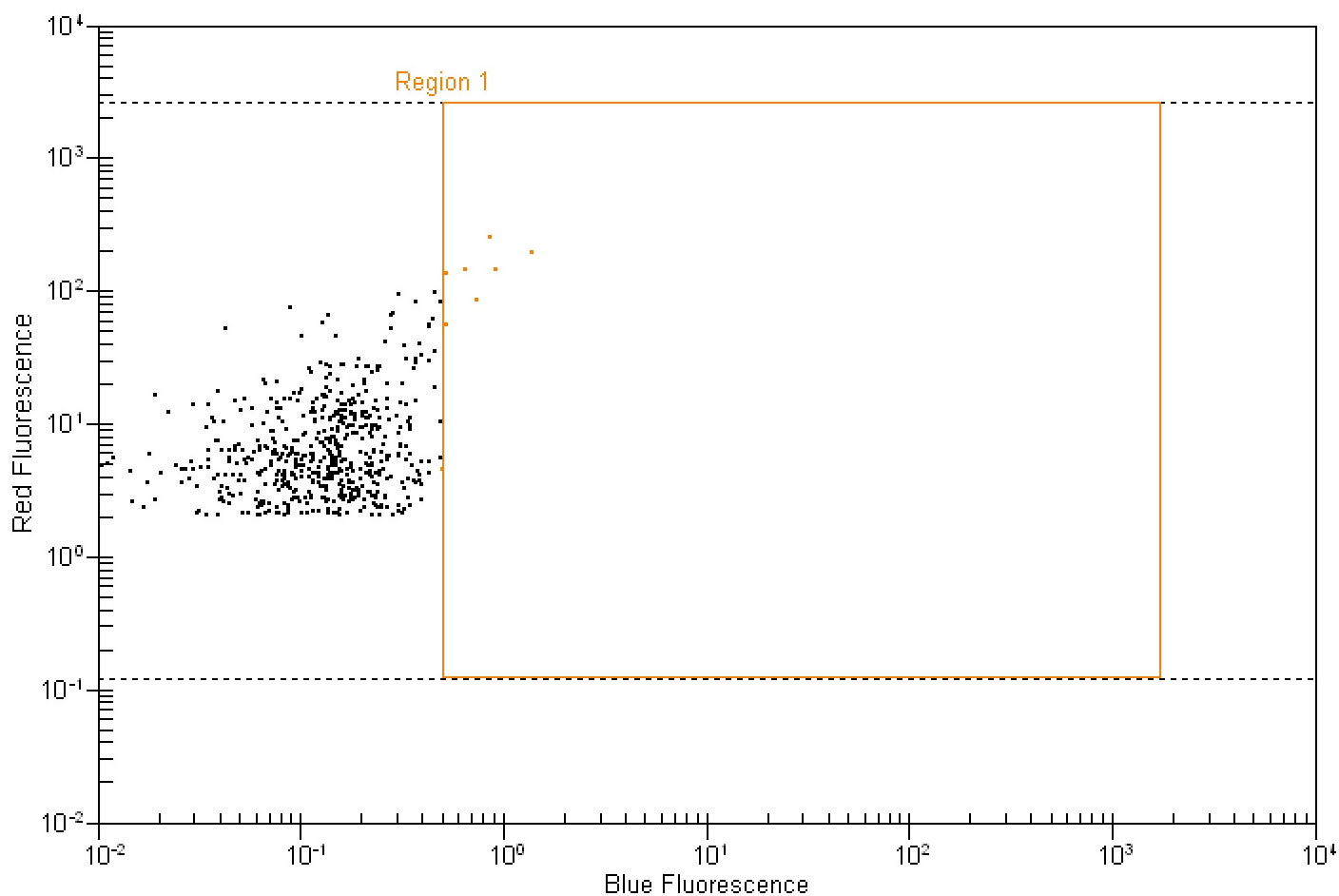
<u>Mock</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.19	12.53	954	100.00	N/A	0.13	5.33	67.53	42.56	0.14	11.10
Region 1	0.57	17.22	16	1.70	1.70	0.06	2.37	10.49	13.75	0.57	17.05

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Dot Plot Summary Continued ...

Delta5



Dot plot statistics for sample 2 :

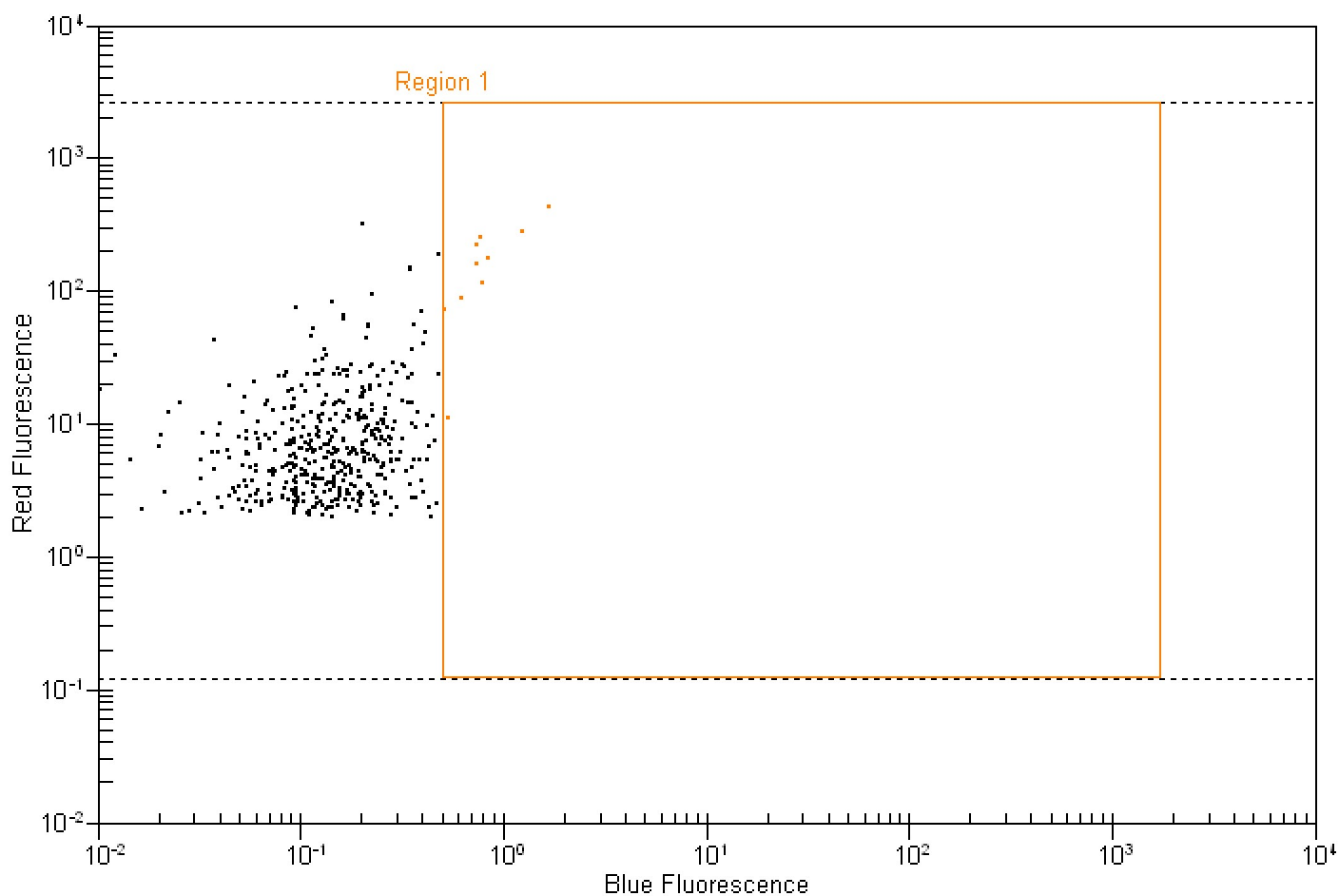
<u>Delta5</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.15	10.69	600	100.00	N/A	0.13	19.76	84.51	184.79	0.10	6.39
Region 1	0.77	127.01	8	1.30	1.30	0.28	73.74	36.12	58.06	0.72	85.68

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Dot Plot Summary Continued ...

Delta3



Dot plot statistics for sample 3 :

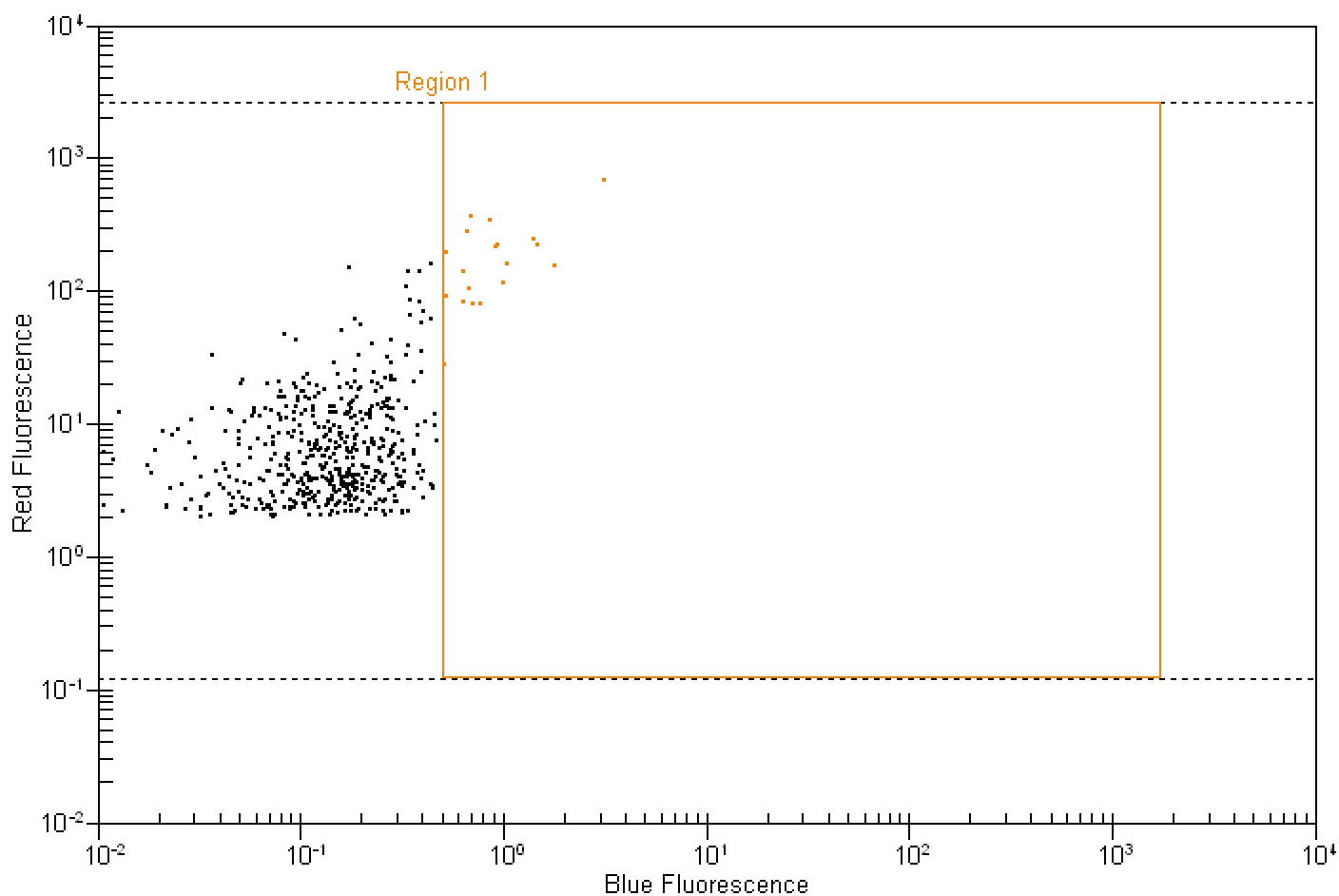
<u>Delta3</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.17	14.95	484	100.00	N/A	0.15	36.23	88.08	242.37	0.12	7.28
Region 1	0.85	179.77	10	2.10	2.10	0.34	113.69	39.49	63.24	0.80	131.07

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Dot Plot Summary Continued ...

Delta5 plus cut delta3



Dot plot statistics for sample 4 :

Delta5 plus cut delta3

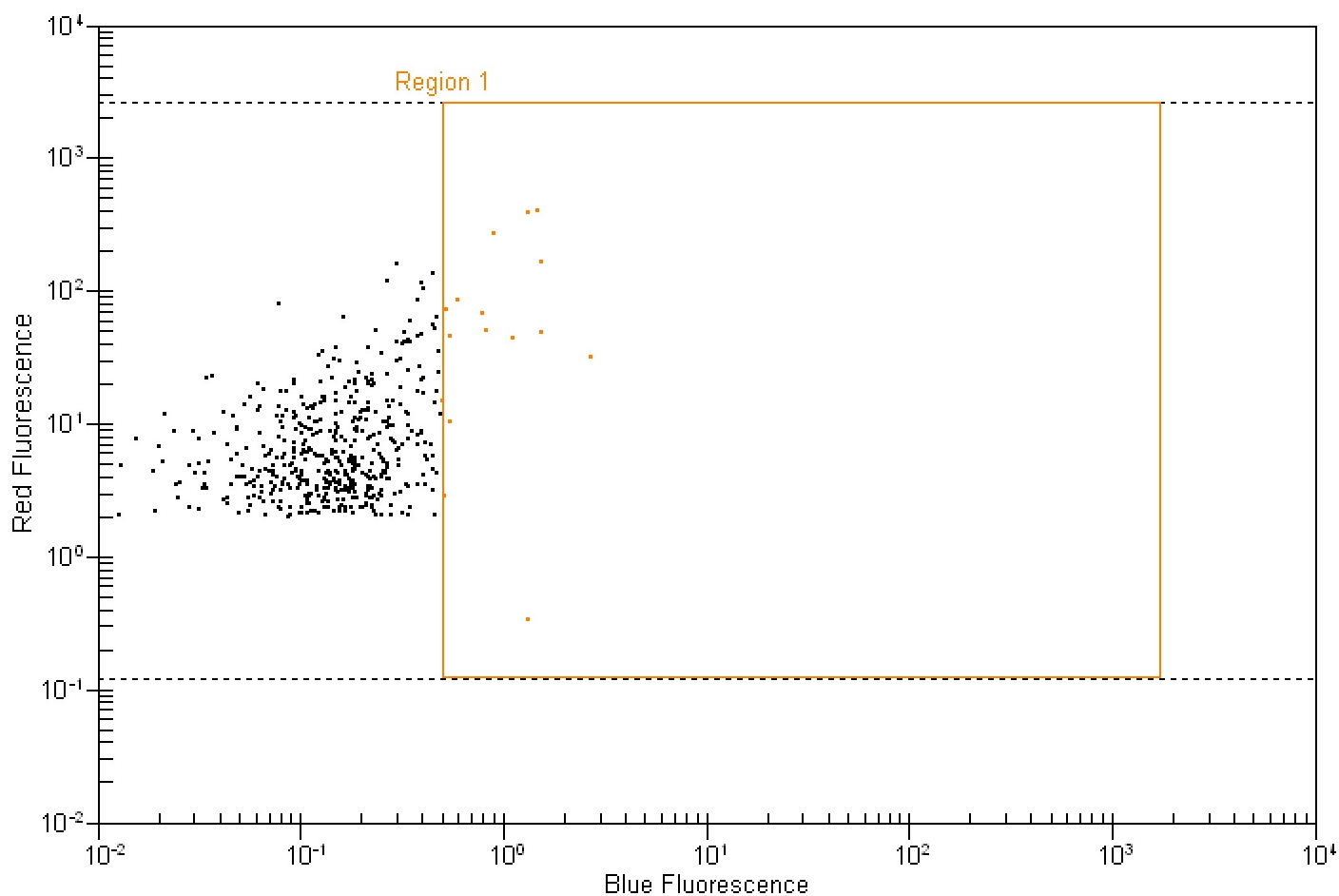
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.19	16.50	551	100.00	N/A	0.22	46.90	115.89	284.35	0.13	6.93
Region 1	1.00	200.60	19	3.40	3.40	0.62	145.40	61.65	72.48	0.88	159.32

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Dot Plot Summary Continued ...

Delta5 plus uncut delta3



Dot plot statistics for sample 5 :

Delta5 plus uncut delta3

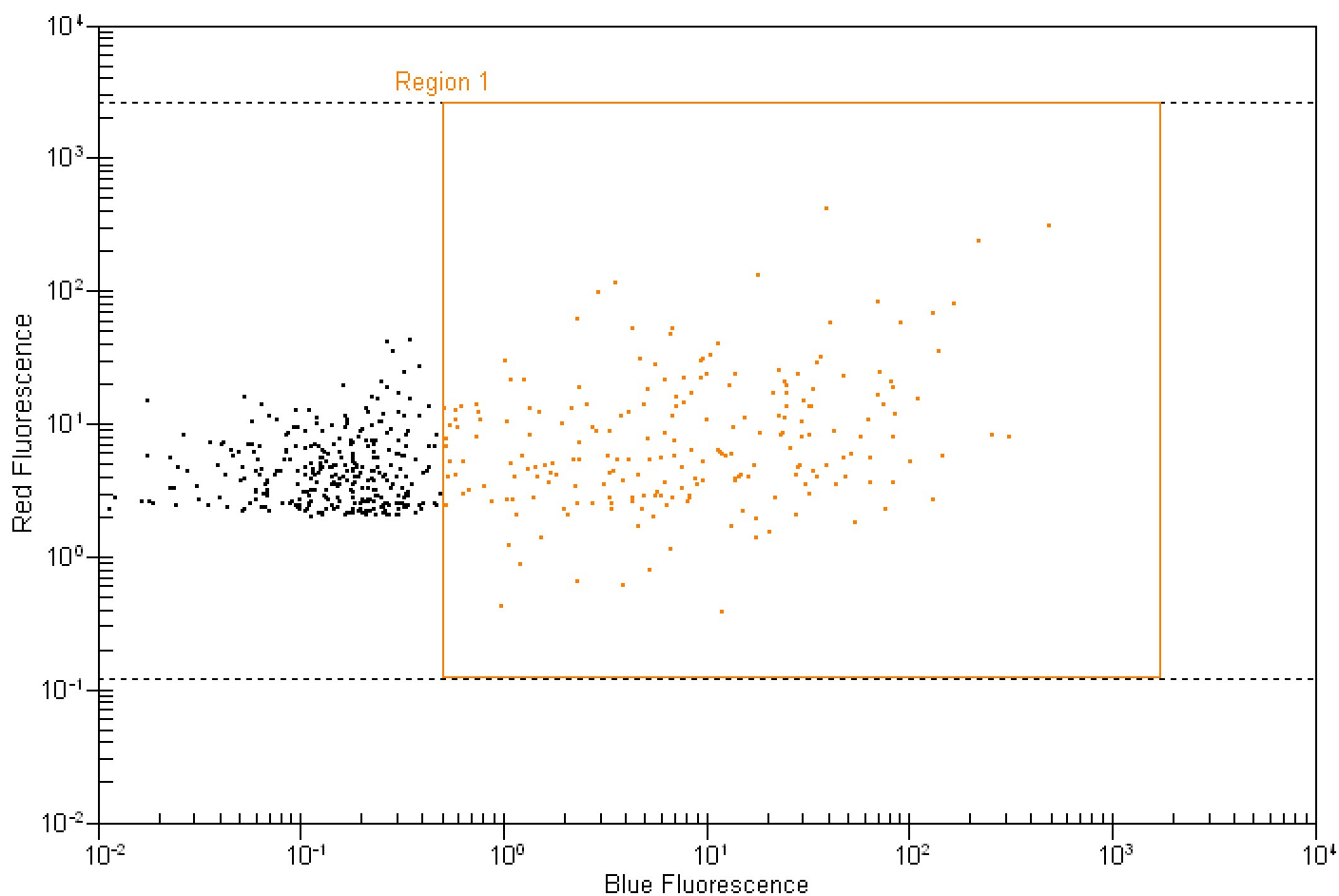
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.19	13.23	517	100.00	N/A	0.21	32.11	111.75	242.76	0.13	6.73
Region 1	1.05	106.48	16	3.10	3.10	0.57	128.22	54.85	120.42	0.92	41.09

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Dot Plot Summary Continued ...

EGFP



Dot plot statistics for sample 6 :

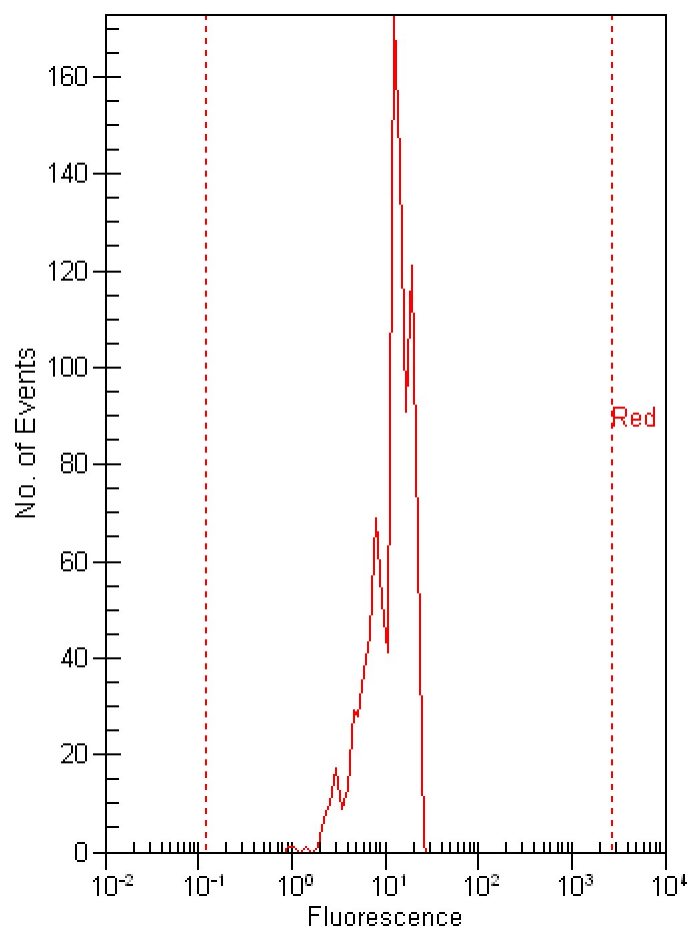
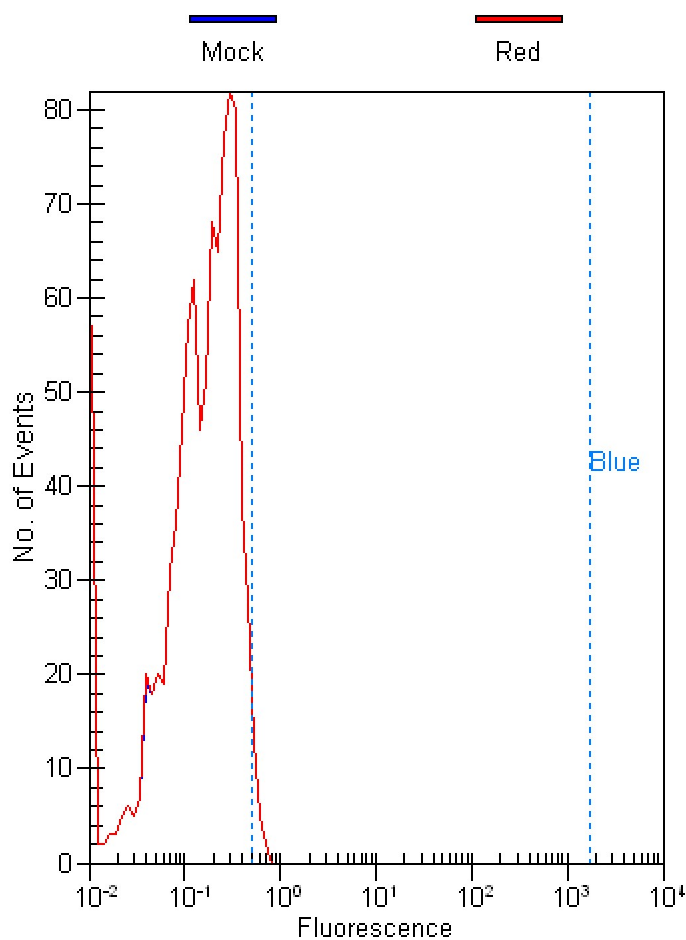
<u>EGFP</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	10.08	9.93	553	100.00	N/A	34.93	26.84	346.43	270.21	0.63	5.39
Region 1	25.10	16.72	220	39.80	39.80	51.84	41.17	206.51	246.25	7.83	7.34

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Histogram Summary

Mock



Histogram statistics for sample 1 :

Mock -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.69	954	100.00	N/A	0.19	0.13	67.53	0.14
Gated by Red	0.01	0.69	954	100.00	N/A	0.19	0.13	67.60	0.14
Blue on all events	0.50	1754.75	16	1.70	N/A	0.57	0.06	10.49	0.57
Blue on subset	0.50	1754.75	16	1.70	1.70	0.57	0.06	10.49	0.57

Histogram statistics for sample 1 :

Mock -

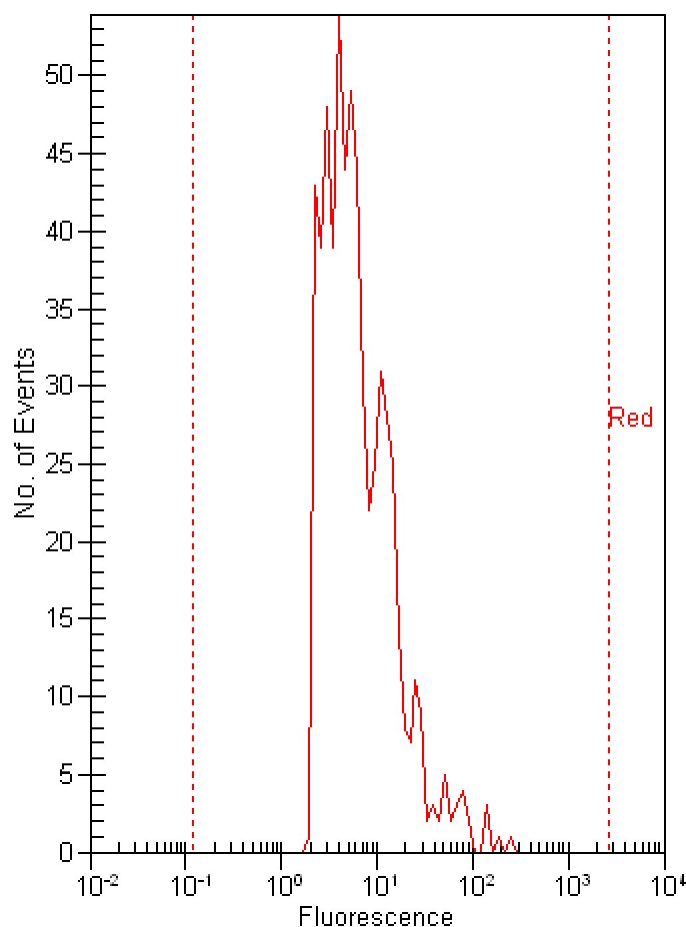
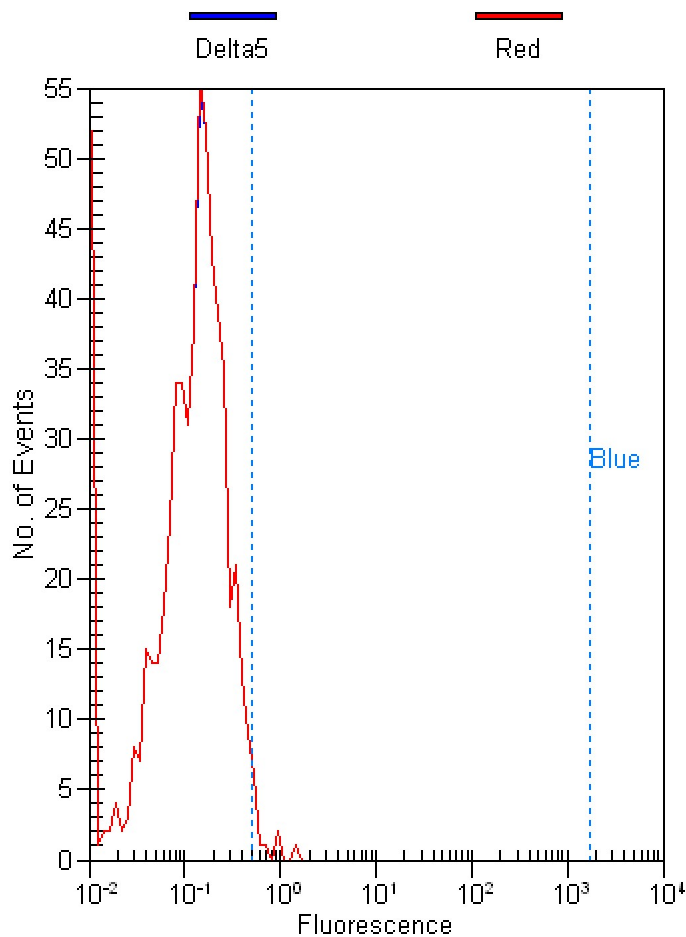
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.94	23.83	954	100.00	N/A	12.53	5.33	42.56	11.10
Red on all events	0.12	2665.86	954	100.00	N/A	12.53	5.33	42.53	11.10

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Histogram Summary Continued ...

Delta5



Histogram statistics for sample 2 :

Delta5 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	1.38	600	100.00	N/A	0.15	0.13	84.51	0.10
Gated by Red	0.01	1.38	600	100.00	N/A	0.15	0.13	84.45	0.10
Blue on all events	0.50	1754.75	8	1.30	N/A	0.77	0.28	36.12	0.72
Blue on subset	0.50	1754.75	8	1.30	1.30	0.77	0.28	36.12	0.72

Histogram statistics for sample 2 :

Delta5 -

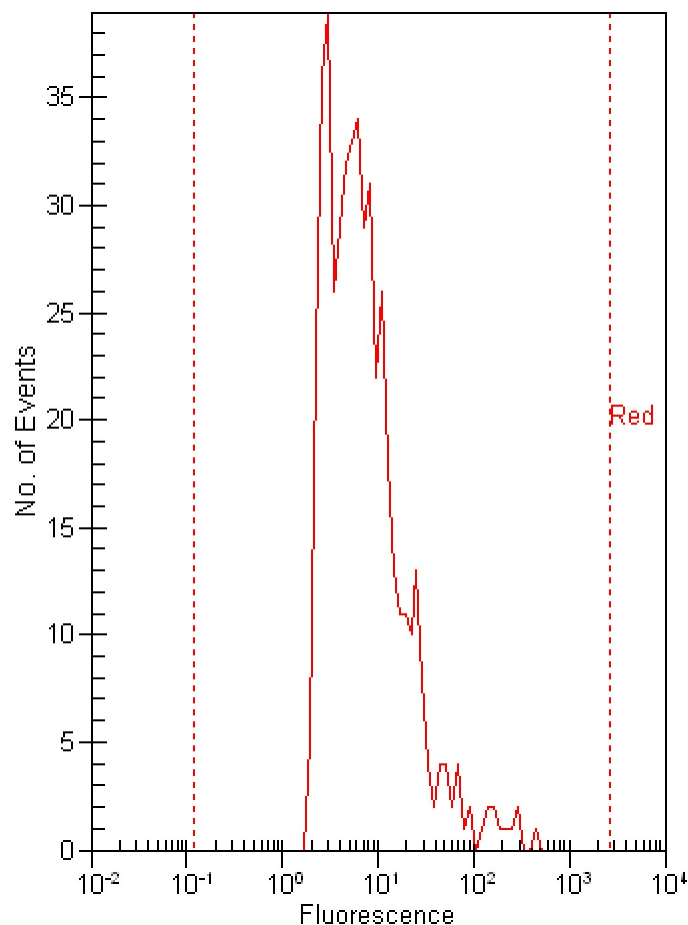
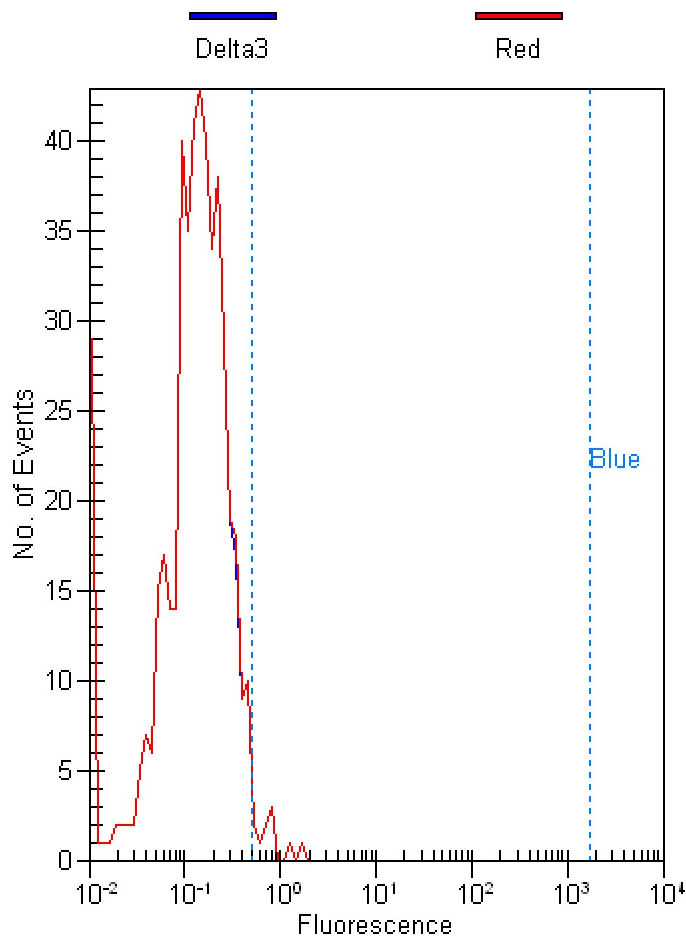
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.04	255.92	600	100.00	N/A	10.69	19.76	184.79	6.39
Red on all events	0.12	2665.86	600	100.00	N/A	10.68	19.74	184.77	6.39

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Histogram Summary Continued ...

Delta3



Histogram statistics for sample 3 :

Delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	1.67	484	100.00	N/A	0.17	0.15	88.08	0.12
Gated by Red	0.01	1.67	484	100.00	N/A	0.17	0.15	87.93	0.12
Blue on all events	0.50	1754.75	10	2.10	N/A	0.85	0.34	39.49	0.80
Blue on subset	0.50	1754.75	10	2.10	2.10	0.85	0.34	39.49	0.80

Histogram statistics for sample 3 :

Delta3 -

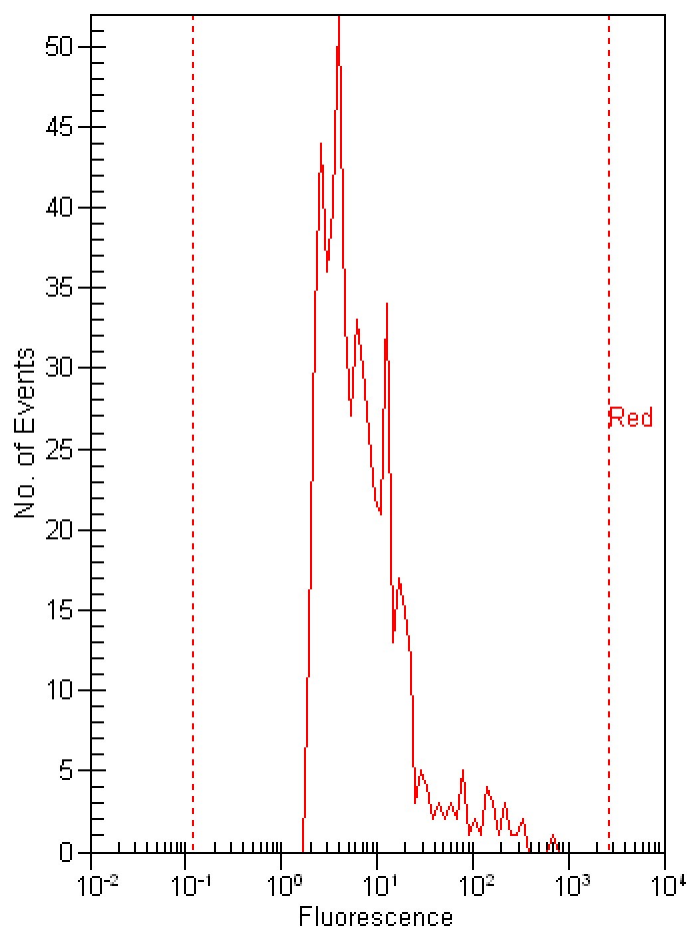
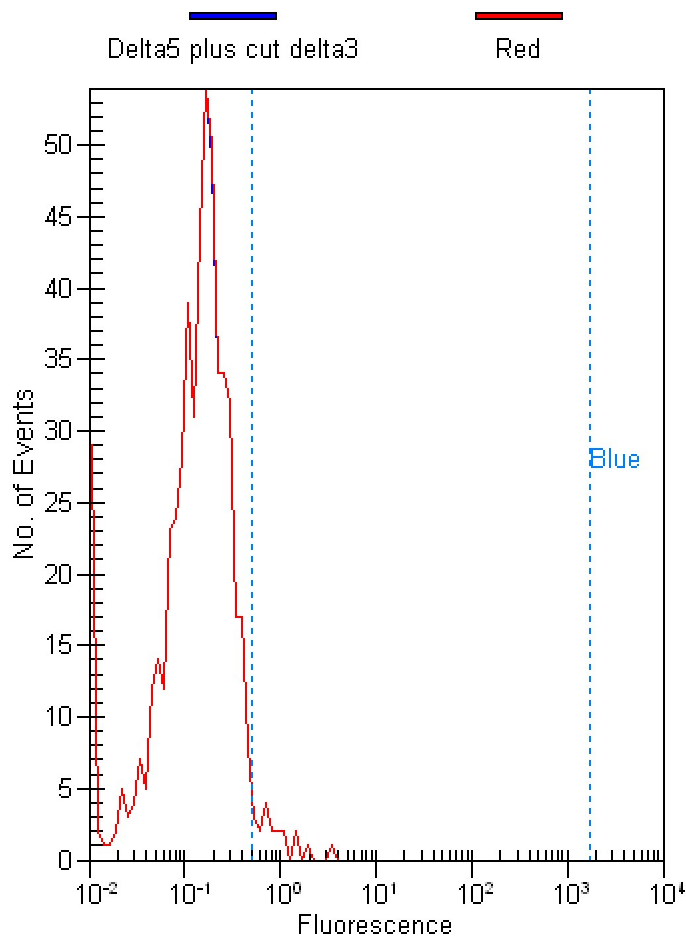
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.01	422.60	484	100.00	N/A	14.95	36.23	242.37	7.28
Red on all events	0.12	2665.86	484	100.00	N/A	14.95	36.19	242.13	7.29

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Histogram Summary Continued ...

Delta5 plus cut delta3



Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	3.18	551	100.00	N/A	0.19	0.22	115.89	0.13
Gated by Red	0.01	3.18	551	100.00	N/A	0.19	0.22	115.79	0.13
Blue on all events	0.50	1754.75	19	3.40	N/A	1.00	0.62	61.65	0.88
Blue on subset	0.50	1754.75	19	3.40	3.40	1.00	0.62	61.65	0.88

Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

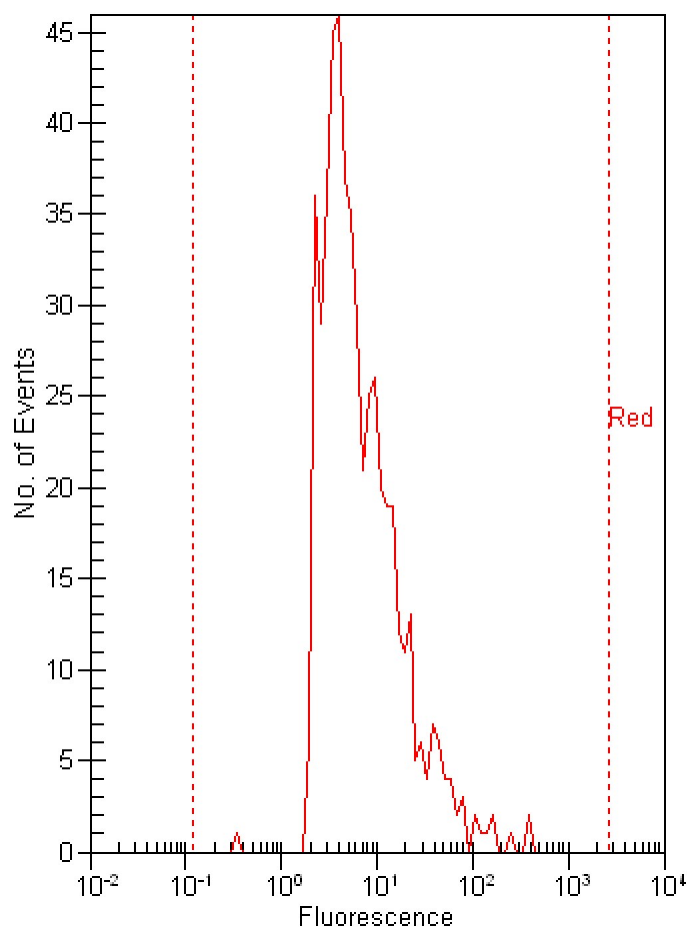
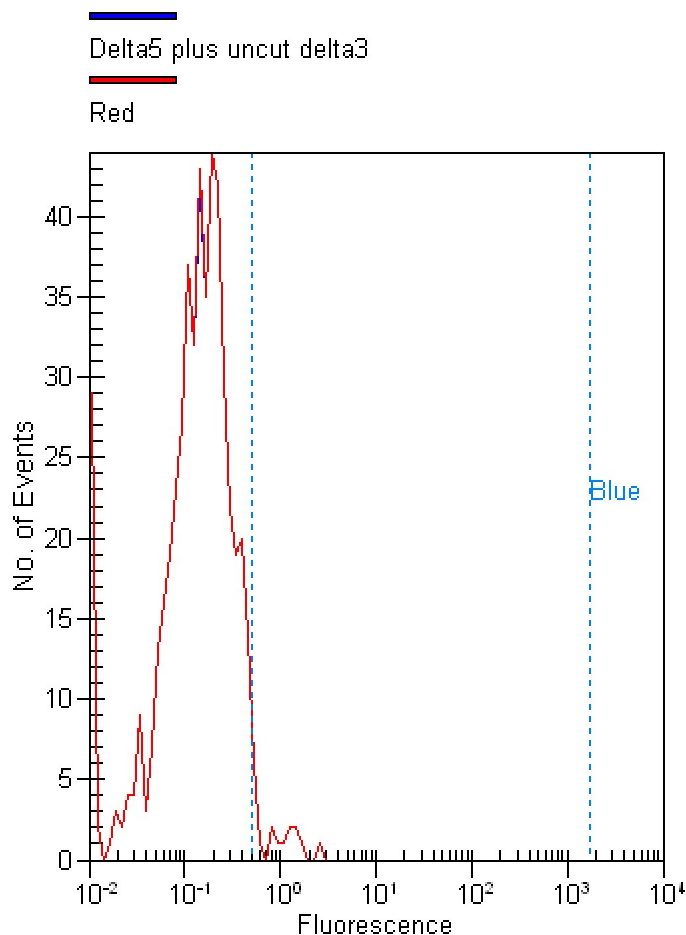
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.00	686.88	551	100.00	N/A	16.50	46.90	284.35	6.93
Red on all events	0.12	2665.86	551	100.00	N/A	16.48	46.86	284.33	6.94

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Histogram Summary Continued ...

Delta5 plus uncut delta3



Histogram statistics for sample 5 :

Delta5 plus uncut delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	2.71	517	100.00	N/A	0.19	0.21	111.75	0.13
Gated by Red	0.01	2.71	517	100.00	N/A	0.19	0.21	111.70	0.13
Blue on all events	0.50	1754.75	16	3.10	N/A	1.05	0.57	54.85	0.92
Blue on subset	0.50	1754.75	16	3.10	3.10	1.05	0.57	54.85	0.92

Histogram statistics for sample 5 :

Delta5 plus uncut delta3 -

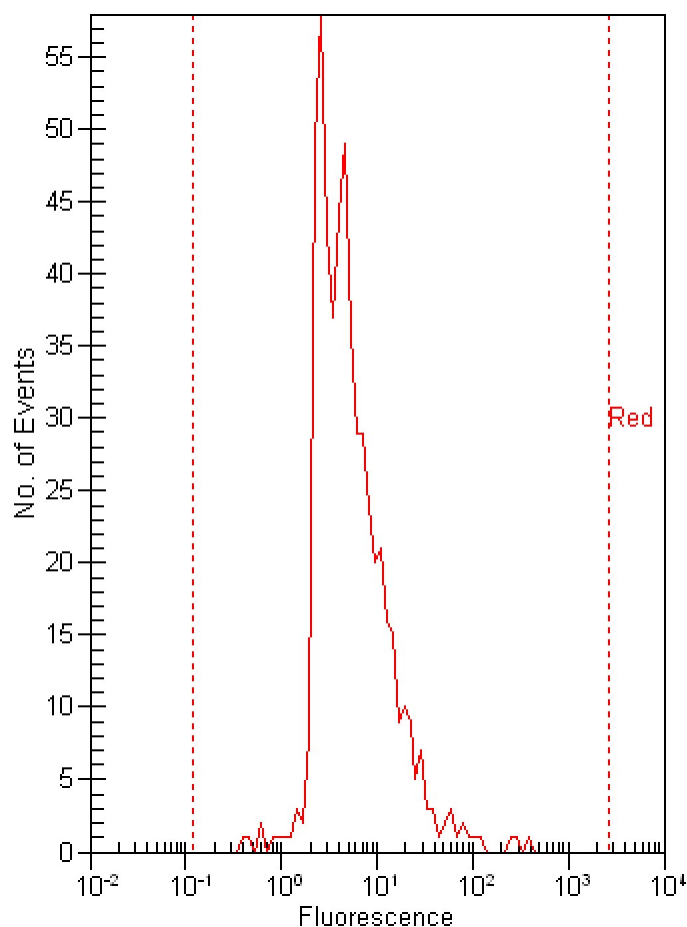
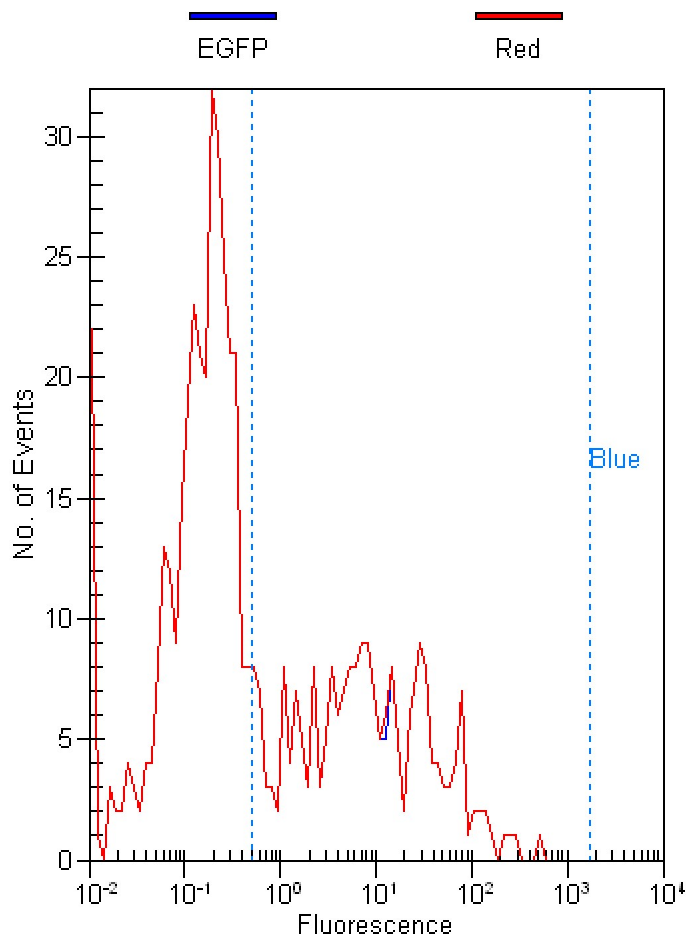
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.33	405.39	517	100.00	N/A	13.23	32.11	242.76	6.73
Red on all events	0.12	2665.86	517	100.00	N/A	13.21	32.08	242.78	6.73

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Histogram Summary Continued ...

EGFP



Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	495.46	553	100.00	N/A	10.08	34.93	346.43	0.63
Gated by Red	0.01	495.46	553	100.00	N/A	10.09	34.90	345.96	0.64
Blue on all events	0.50	1754.75	220	39.80	N/A	25.10	51.84	206.51	7.83
Blue on subset	0.50	1754.75	220	39.80	39.80	25.10	51.84	206.51	7.83

Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.39	421.10	553	100.00	N/A	9.93	26.84	270.21	5.39
Red on all events	0.12	2665.86	553	100.00	N/A	9.92	26.81	270.18	5.39

Assay Class: Red to Blue
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Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		10/7/2010 4:39:33 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-10-07\2100 expert_Red to Blue_DE72905360_2010-10-07_16-13-07.xad)		Instrument	Run		10/7/2010 4:13:12 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Product Number : G2938C		Instrument	Run		10/7/2010 4:13:12 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		10/7/2010 4:13:12 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		10/7/2010 4:13:12 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Serial# : DE72905360		Instrument	Run		10/7/2010 4:13:12 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		10/7/2010 4:13:12 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Cartridge : Pressure		Instrument	Run		10/7/2010 4:13:12 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01